

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): Structural component for a device for the treatment of ~~melts, especially of~~ glass melts;
with a base body of metal or of a metal alloy with a cooling system in which a cooling medium is led through for the leading-off of heat through the structural component;
the base body is provided with a coating of a plastic material the ~~decomposition~~ melt temperature of which lies below the temperature of the glass melt;
the cooling system is designed and arranged in such manner that the temperature of the boundary layer of the glass melt that directly surrounds the structural component lies below the ~~decomposition~~ melt temperature of the coating material.

Claim 2 (canceled)

Claim 3 (previously amended): Structural component according to claim 1, characterized in that the plastic is halogen-containing;

Claim 4 (previously amended): Structural component according to claim 1, characterized in that the coating thickness is less than 1 mm.

Claim 5 (original): Structural component according to claim 4, characterized in that the coating thickness lies between 20 μ and 250 μ , preferably between 40 and 200 μ .

Claim 6 (previously amended): Structural component according to claim 1, characterized in that the base body consists of copper, platinum, steel, or of alloys of these metals.

Claim 7 (currently amended): Structural component according to claim 1, characterized in that it is an agitator for the homogenization of glass melts.

Claim 8 (currently amended): Structural component according to claim 1, characterized in that it is a duct for the introduction of gases into the glass melt.

Claim 9 (previously amended): Structural component according to claim 1, characterized in that it is an electrode holder.

Claim 10 (cancelled)

Claim 11 (cancelled)

Claim 12 (previously added): Structural component according to claim 3, characterized in that the coating thickness is less than 1 mm.

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Claim 13 (cancelled)

Claim 14 (previously added) Structural component according to claim 3,
characterized in that the base body consists of copper, platinum, steel or aluminum, or of
alloys of these metals.

Claim 15 (previously added) Structural component according to claim 4,
characterized in that the base body consists of copper, platinum, steel or aluminum, or of
alloys of these metals.

Claim 16 (previously added) Structural component according to claim 5,
characterized in that the base body consists of copper, platinum, steel or aluminum, or of
alloys of these metals.

Claim 17 (cancelled)

Claim 18 (currently amended): Structural component according to claim
3, characterized in that it is an agitator for the homogenization of glass melts.

Claim 19 (currently amended): Structural component according to claim
4, characterized in that it is an agitator for the homogenization of glass melts.

Claim 20 (currently amended): Structural component according to claim
5, characterized in that it is an agitator for the homogenization of glass melts.